

Title (en)

CATALYST FOR ACRYLIC ACID PRODUCTION AND PROCESS FOR PRODUCING ACRYLIC ACID USING THE CATALYST

Title (de)

KATALYSATOR ZUR ACRYLSÄUREHERSTELLUNG UND VERFAHREN ZUR ACRYLSÄUREHERSTELLUNG MITHILFE DIESES KATALYSATORS

Title (fr)

CATALYSEUR POUR LA PRODUCTION D ACIDE ACRYLIQUE ET PROCÉDÉ DE PRODUCTION D ACIDE ACRYLIQUE UTILISANT LE CATALYSEUR

Publication

EP 2347823 A4 20130814 (EN)

Application

EP 09817709 A 20090925

Priority

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- JP 2008252081 A 20080930

Abstract (en)

[origin: EP2347823A1] A catalyst for producing acrylic acid from propane and/or acrolein by gas-phase catalytic oxidation with molecular oxygen-containing gas, comprising a catalytic active component containing molybdenum and vanadium as essential elements, and having a crystallinity T of 5% or more and 20% or less in the 2_θ range of 5° to 90°, measured by an X-ray diffraction analysis with Cu-K α radiation; and a process for producing acrylic acid by gas-phase catalytic oxidation of propane and/or acrolein with molecular oxygen, comprising the step of conducting the gas-phase catalytic oxidation in the presence of the catalyst. According to the catalyst and the process for producing acrylic acid of the present invention, it is possible to stably produce acrylic acid at a high yield for a long period.

IPC 8 full level

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CPC (source: EP US)

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C-Set (source: EP US)

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Citation (search report)

- [X] EP 1571137 A2 20050907 - NIPPON CATALYTIC CHEM IND [JP]
- [X] EP 1714955 A1 20061025 - NIPPON CATALYTIC CHEM IND [JP]
- [E] EP 2177500 A1 20100421 - NIPPON CATALYTIC CHEM IND [JP]
- See also references of WO 2010038676A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2347823 A1 20110727; **EP 2347823 A4 20130814**; **EP 2347823 B1 20160831**; CN 102066000 A 20110518; JP 5548132 B2 20140716; JP WO2010038676 A1 20120301; US 2011166384 A1 20110707; WO 2010038676 A1 20100408

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